

Introduction

Name: Jaehyun Park

Research Interests: Video Streaming Optimization and Privacy, IoRT Security and Privacy, Network Anomaly Detection, Biometric-based User Authentication

Career History

2026–Present: Assistant Professor, Dept. of Computer Engineering, Hanbat National University

2019–2026: Manager, Korea Financial Telecommunications and Clearings (KFTC) (Financial Authentication Center, Card Infrastructure Systems Dept.)

2014–2018: Ph.D., Graduate School of Information Security, KAIST

2012–2013: M.S., Dept. of Computer Science, KAIST

2010–2012: B.S., Dept. of Computer Science, KAIST

2008–2009: B.S. (coursework completed), School of Information and Communications, Korea University

Publications

1. International Journals

- Namgil Lee, Jaehyun Park, Yoonjin Lee, Suji Lee, Nakyung Shin, Hohyun Jung, "Latent space network model for the popularity effect, with applications to Bitcoin networks," *Journal of Applied Statistics*, 2025.
- Jaehyun Park, Jaehee Ha, Brent Byunghoon Kang, and Myungchul Kim, "MoHoP: A protocol providing for both mobility management and host privacy," *Computer Networks Elsevier*, Volume 148, 2019.
- Jaehyun Park, Jiseong Noh, Myungchul Kim, and Brent Byunghoon Kang, "Invi-server: Reducing the Attack Surfaces by Making Protected Server Invisible on Networks," *Computers & Security Volume 67*, pp 89-106, June 2017.
- Jiseong Noh, Seunghyeon Lee, Jaehyun Park, Seungwon Shin, and Brent Byunghoon Kang, "Vulnerabilities of Network OS and Mitigation with State-based Permission System," *Wiley Online Library Security and Communication Networks*, 2015.

2. International Conferences

- Jaehee Ha, Jaehyun Park, Sangyup Han, and Myungchul Kim, "Live Migration of Virtual Machines and Containers over Wide Area Networks with Distributed Mobility Management," *ACM 15th International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous)*, 2018.
- Haeun Kim, Jaehyun Park, Sangyup Han, and Myungchul Kim, "MoHiD: A Scalable Mobility Platform Based on Hierarchical DHT," *HICSS 51*, 2018.
- Sangyup Han, Jaehyun Park, Haeun Kim, Jaehee Ha, Seungwon Shin, Sungwon Kang, and Myungchul Kim, "Mobility of Everything (MoE): An Integrated and Distributed Mobility Management," *IEEE International Conference on Computer Communications and Networks (ICCCN)*, August 2017.

- Taejune Park, Yeonkeun Kim, Jaehyun Park, Hyunmin Suh, Byeongdo Hong, Seungwon Shin, "QoSE: Quality of SEcurity (A network security module using a distributed NFV)," IEEE International Conference on Communications (ICC), 2016.

3. Domestic Conferences

- Jaehyun Park, Jaehee Ha, Kyungjun Park, Jin Jung, Juhyung Song, Myungchul Kim, "Efficient Virtual Machine Identifier Generation Method in Cloud-based Internet of Vehicle Environments," KICS, 2018.

- Jaehyun Park, Kyungjun Park, Jaehee Ha, Jin Jung, Youngjin Kim, Gaemyung Park, Sungsang Yoo, Myungchul Kim, "Design of Maritime Messaging Service," KICS, 2018.

- Hojin Jeon, Jaehyun Park, Myungchul Kim, "Implementation of MEC Video Service Using Mobile Edge Computing (MEC) Concepts," Korea Software Congress, 2017.

- Sangyup Han, Jaehyun Park, Haeun Kim, Jaehee Ha, Myungchul Kim, "SIMM: Scalable and Interoperable Mobility Management," KIISE, 2016 (Best Paper Award).

Registered Patents

- Method and System for Signing and Verification Based on Multi-Signature Tokens, Korea, 2026.

- METHOD AND APPARATUS FOR SIMULTANEOUSLY PROVIDING MOBILITY MANAGEMENT AND PRIVACY PROTECTION, 10-2018-0109634, United States, 2020.

- Method and Apparatus for Simultaneously Providing Mobility Management and Privacy Protection, Korea, 2020.

– Method and System for Identifier and Location Area-based Message Transmission, Korea, 2020.

– Method and System for Identifier-based Message Transmission, Korea, 2020.

– Method and System for Identifier-based Message Transmission in Communication Disconnection Situations, Korea, 2020-07-21, 10-2138467.

Awards

- KFTC 2024 Future Blueprint Challenge Excellence Award (TOP 3), "W+XYZ: A Collaborative Method Combining Workcation and Sprint Processes for Idea Hypothesis Validation," 2023.

- KFTC 2023 Regular Commendation Award, 2023.

- KFTC 2022 FinTech Idea Contest Innovation Award, "Establishment of a Central Record Management Institution for Deferred Payment," 2022.

- Korea FinTech Week 2019 Innovation Award (TOP 9), "A Service for Conveniently and Securely Delegating Account and Card Payment Authority to Others via Digital Signatures," 2019.

- Korea Computer Congress Best Paper Award, 2016.

- ACM-ICPC Seoul Regional Preliminary Silver Award, 2009.

- ACM-ICPC Seoul Regional Preliminary Honorable Mention, 2008.

Invited Talks

- Dankook University, Career Day, "Introduction to KFTC and Career Strategies," 2026.
- Pai Chai University, Invited Seminar, "Introduction to KFTC and Automotive Network Security," 2024.
- Dankook University, Invited Seminar, "Biometric Authentication Technology and Use Cases in the Financial Sector," 2022.
- Pai Chai University, Invited Seminar, "Biometric Authentication Technology and Use Cases in the Financial Sector," 2022.
- Seoul Cyber University, Invited Seminar, "Non-face-to-face Identity Authentication Technology," 2020.